ECON832 Final: Mini Paper

Daniel Sánchez Pazmiño

April 2024

In this mini paper, I summarize my findings from applying a feedforward neural network to predict choice between two lotteries in Plonsky et al. (2018) Choice Prediction Competition 2018 (CPC18).

1 Overview

The data comes from the CPC18 (Plonsky, Erev, and Ert 2017), which consists of experiments involving various decision makers choosing between two lotteries. While the complete dataset contains observations from Erev, Ert, and Plonsky (2017) 's Choice Prediction Competition 2015 (CPC2015), I focus on the newer data exclusive to CPC18.

References

Erev, Ido, Eyal Ert, and Ori Plonsky. 2017. "Raw Data for CPC2015: A Choice Prediction Competition for Decisions Under Risk, Under Ambiguity, and from Experience." Data set with codebook. Zenodo. https://doi.org/10.5281/zenodo.321652.

Plonsky, Ori, Reut Apel, Ido Erev, Eyal Ert, and Moshe Tennenholtz. 2018. "When and How Can Social Scientists Add Value to Data Scientists? A Choice Prediction Competition for Human Decision Making." *Unpublished Manuscript*. https://cpc-18.com/wp-content/uploads/2018/03/cpc18-white-paper-march-update.pdf.

Plonsky, Ori, Ido Erev, and Eyal Ert. 2017. "Calibration Data for Choice Prediction Competition 2018 (CPC18)." Data set with codebook. Zenodo. https://doi.org/10.5281/zenodo.845873.